

4-3/4" OD X 2.250" ID DRILL COLLAR, SPIRAL, AISI 4145, NC38

DRILL COLLAR BODY

Nominal OD (in)	4-3/4
Nominal ID (in)	2.250
Pipe Wall Thickness (in)	1.250
Surface Finish	SPIRAL
Grade	AISI 4145
Cross Sectional Area of Pipe Body (in ²)	13.745
Cross Sectional Area OD (in ²)	17.721
Cross Sectional Area ID (in ²)	3.976
Section Modulus (in ³)	9.992
Polar Section Modulus (in ³)	19.984
Momet of Inertia Drill Collar Body (in ⁴)	23.73
Polar Moment of Inertia Drill Collar Body (in ⁴)	47.46

DRILL COLLAR CONNECTION

Connection	NC38
OD (in)	4.750
ID (in)	2.250
Torsional Strength (lbs/ft)	17,576
Tensile Yield Strength (lbs)	625,799
Minimum Make-up Torque (lbs/ft)	9,986
Maximum Make-up Torque (lbs/ft)	10,985
BSR	2.217

DRILL COLLAR ASSEMBLY

Adjusted Weight (lbs/ft)	49.80
Approx Average Length (ft)	31.00
Open End Displacement (gal/ft)	0.71
Closed End Displacement (gal/ft)	0.92
Fluid Capacity (gal/ft)	0.21
Drift Size (in)	2.125

All information contained herein is provided for reference/illustration purpose only. Data compiled are using information available from respective Manufacturer and/or other public sources. Even though due care has been exercised while compiling the data. PETRO PIPE accept no responsibility or liability for its accuracy, errors, omissions or misinterpretation. User is advised to examine the suitability and accuracy by their own resources.